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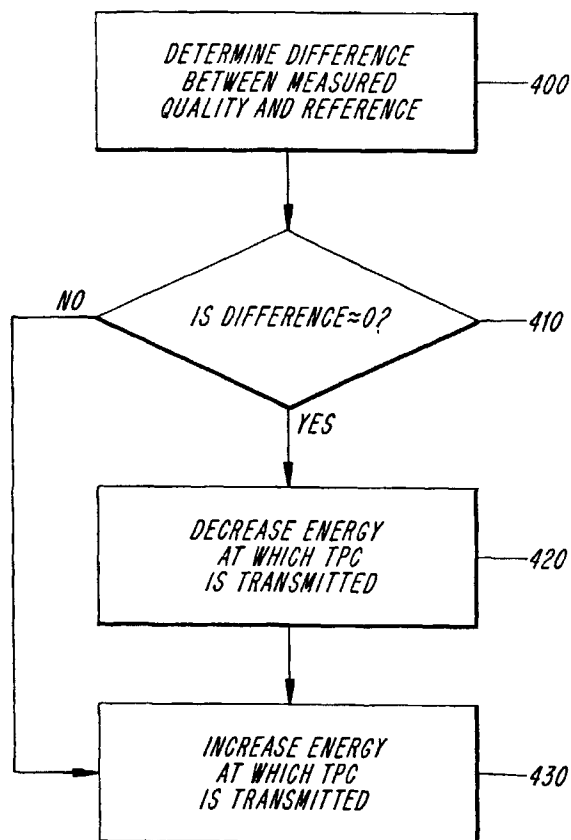
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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR SETTING TRANSMIT POWER CONTROL COMMAND ENERGY



(57) Abstract: The energy at which a transmit power control is transmitted is set based on how important it is that the transmit power control command is received. As an indication of how important it is that the transmit power control command is received, a difference between a measured quality, e.g., SIR, of a received signal and a reference may be determined. The energy at which the transmit power control command is transmitted may be set based on this difference. The energy of the transmit power control command may be set by adjusting the power at which the transmit power control command is transmitted and/or by adjusting the coding of the transmit power control command. If the difference is determined to be substantially zero, the energy at which the transmit power control command is transmitted is decreased, by an amount that is a function of the difference. If the difference is determined not to be substantially zero, the energy at which the transmit power control command is transmitted is increased by an amount that is a function of the difference. This technique may be used for uplink transmit power control commands or for downlink power control commands. For uplink transmit power control commands, the technique is performed in the network, e.g., in a base station. For downlink transmit power control commands, the technique is performed in, e.g., a remote terminal.

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B. FIELDS SEARCHED

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IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 31893 A (QUALCOMM INC) 2 June 2000 (2000-06-02) abstract page 8, line 11 -page 11, line 16 figures 2,3	1,2,4, 10,12, 13,15,21
A	----- SALONAH O ET AL: "FLEXIBLE POWER ALLOCATION FOR PHYSICAL CONTROL CHANNEL IN WIDEBAND CDMA" HOUSTON, TX, MAY 16 - 20, 1999, NEW YORK, NY: IEEE, US, vol. CONF. 49, 16 May 1999 (1999-05-16), pages 1455-1458, XP000903286 ISBN: 0-7803-5566-0 page 1455 ----- -/--	1,2,4, 10-13, 15,21,22



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>USUDA M ET AL: "OPTIMIZING THE NUMBER OF DEDICATED PILOT SYMBOLS FOR FORWARD LINK IN W-CDMA SYSTEMS" TOKYO, JAPAN, MAY 15-18, 2000, NEW YORK, NY: IEEE, US, vol. CONF. 51, 15 May 2000 (2000-05-15), pages 2118-2122, XP000986979 ISBN: 0-7803-5719-1 abstract</p> <p style="text-align: center;">-----</p>	

INTERNATIONAL SEARCH REPORT

Information on patent family members

Int. tional Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			AU 1830400 A	13-06-2000
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			EP 1145461 A2	17-10-2001
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